

WHAT IS CLAIMED IS:

1. A display module in which a sloped back surface member, having a cross sectional slope with respect to a display surface of a display panel, is provided face to face behind the display panel, and a flexible substrate for a signal line drive circuit and a flexible substrate for a scanning line drive circuit are connected to the display panel so as to make a right angle with each other, and are respectively so extended as to reach to a back surface of the sloped back surface member, wherein:

one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is so extended as to reach to the back surface of the sloped back surface member in such a manner that the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is bent along the slope of the sloped back surface member.

2. The display module as set forth in claim 1, wherein:

the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is made of a Chip On Film

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(COF) having a substrate thickness of 40 μm or less, where the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is so extended as to reach to the back surface of the sloped back surface member in such a manner that the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is bent along the slope of the sloped back surface member.

3. The display module as set forth in claim 1, wherein:

the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit has an oblique folding slit at a bending part, where the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is so extended as to reach to the back surface of the sloped back surface member in such a manner that the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit is bent along the slope of the sloped back surface member.

4. The display module as set forth in claim 2, wherein:

the COF is such a COF that a conductive film, which is an electrode wiring of an IC (Integrated Circuit) chip, is directly joined with a substrate material.

5. The display module as set forth in claim 4, wherein:

the conductive film on the substrate material is covered with a resist, whereas an input terminal that receives image data, an ILB (Inner Lead Bonding) pad that is connected with the IC chip, and an output terminal that is connected with the display panel are left uncovered.

6. The display module as set forth in claim 3, wherein:

the oblique folding slit is an integral concave part, which is a notched area of a substrate material of the one of the flexible substrate for the signal line drive circuit and the flexible substrate for the scanning line drive circuit, and through which a plurality of folding lines pass.

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7. The display module as set forth in claim 6,
wherein:

the concave part includes a resist for
reinforcement.

8. The display module as set forth in claim 3,
wherein:

the oblique folding slit is an integral concave
part, which is a notched area of a substrate material
of the one of the flexible substrate for the signal
line drive circuit and the flexible substrate for the
scanning line drive circuit, leaving both edges of
bending part.

9. The display module as set forth in claim 8,
wherein:

the concave part includes a resist for
reinforcement.

10. The display module as set forth in claim 1,
wherein:

the flexible substrate for the signal line drive
circuit and the flexible substrate for the scanning
line drive circuit, which are so extended as to reach
to the back surface of the sloped back surface member,

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are placed so as to make a right angle with each other.

11. A display module, comprising:

a display panel for displaying an image;

a back irradiation member for irradiating an irradiated surface with light from a light source, the back irradiation member covering the irradiated surface of the display panel; and

a driving flexible substrate for driving the display panel, the driving flexible substrate being connected to the display panel, and so extended as to reach to a back surface of the back irradiation member,

wherein, the back surface of the back irradiation member has a sloped surface sloped with respect to a display surface of the display panel, and

wherein, the driving flexible substrate is bent along the sloped surface.

12. The display module as set forth in claim 11, wherein:

the driving flexible substrate is made of a Chip On Film (COF) having a substrate thickness of 40 μm or less.

13. The display module as set forth in claim 11,

wherein:

the driving flexible substrate has an oblique folding slit at a bending part.

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